

S/N TO BE ASSIGNED

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Applicant:	KETOLA, ET AL.	Serial No.:	TO BE ASSIGNED
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Title:	METHOD AND SYSTEM FOR IMPLEMENTING SUPERVISION IN A TELECOMMUNICATION SYSTEM		

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Name: Kari Arnold**PRELIMINARY AMENDMENT**

Box Patent Application
Assistant Commissioner for Patents
U.S. Patent and Trademark Office
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Dear Sir:

Please enter the following preliminary amendment into the above-referenced application.

ABSTRACT

Please insert the attached abstract into the application as the last page thereof.

CLAIMS

Please amend claims 1-29 as follows. A clean copy of the amended and new claims is included below. A marked up copy of the entire claim set is included in Appendix A.

1. (Amended) Method for automatically configuring supervision and performing supervision in a supervision system comprising

a supervision center;

a supervision block which contains processes performing supervision tasks,

said method comprising the steps of:

monitoring and/or controlling via the supervision center the supervision block processes performing supervision tasks,

wherein the method comprises the following steps:

the processes performing supervision tasks in the supervision block of the supervision system and/or the objects monitored by them are registered in the supervision center automatically as the processes in the supervision block become ready for operation; and

information about the processes in the supervision block and/or about the services produced by them and/or about the objects monitored is saved in the supervision center in conjunction with the registration.

2. (Amended) Method as defined in claim 1, wherein the supervision system is a telephone switching system.

3. (Amended) Method as defined in claim 1, wherein a supervision block process performing supervision tasks comprises a communication interface through which operational commands are received from the supervision center.

4. (Amended) Method as defined in claim 1, wherein the state of a registered supervision block process performing a supervision task is checked before an action request is sent to it.

5. (Amended) Method as defined in claim 1, wherein the supervision center comprises a user interface via which the supervision center and/or the supervision block processes performing supervision tasks are controlled.

6. (Amended) Method as defined in claim 1, wherein the supervision center comprises an interface for receiving the registration data when supervision block processes performing supervision tasks are registered in the supervision center.

7. (Amended) Method as defined in claim 1, wherein the result of the supervision block process performing a supervision task is sent to the supervision center.

8. (Amended) Method as defined in claim 1, wherein the registrations of the supervision block processes are stored in a supervision file in the supervision center.

9. (Amended) Method as defined in claim 1, wherein the operation of the supervision block process performing a supervision task is verified in conjunction with the registration and an alarm is issued if

the supervision block process performing a supervision task does not produce a response to a test command.

10. (Amended) Method as defined in claim 1, wherein an alarm is issued if

the response produced by the supervision block process performing a supervision task is inaccurate;
and/or

no supervision block processes performing supervision tasks are registered at all;
and/or

the number of test cases in the supervision file is lower after a restart of the system.

11. (Amended) Method as defined in claim 1, wherein the supervision block process performing a supervision task determines the address of the supervision center via a name service.

12. (Amended) Method as defined claim 1, wherein the supervision file contains the address and/or identifier and/or test parameters and/or initial values of test parameters of the supervision block process performing a supervision task and/or other information.

13. (Amended) Method as defined claim 1, wherein a registering supervision block process performing a supervision task contains one or more objects of monitoring.

14. (Amended) Method as defined in claim 1, wherein a supervision block process performing a supervision task that impairs the normal operation of the telephone switching center shall not register in the supervision center.

15. (Amended) Method as defined in claim 1, wherein the supervision system comprises one or more supervision centers in operation.

16. (Amended) Method as defined in claim 1, wherein the supervision block process performing a supervision task and/or the maintenance of the monitoring object of the process are/is discontinued and the respective entry is deleted from the supervision file.

17. (Amended) System for automatically configuring supervision and performing supervision in a supervision system comprising

a supervision center;

a supervision block which contains processes performing supervision tasks,

which method comprises the steps of:

monitoring and/or controlling via the supervision center the supervision block processes performing supervision tasks,

wherein the system comprises:

means for automatically registering in the supervision center the objects monitored by the supervision block processes performing tasks of supervision of the operation of the supervision system; and

means for saving information relating to the processes performing supervision tasks and/or to the services produced by them in the supervision center in conjunction with registration.

18. (Amended) System as defined in claim 17, wherein the supervision system is a telephone switching system.

19. (Amended) System as defined in claim 17, wherein the system comprises means for receiving operational commands via the communication interface of the supervision block process performing supervision tasks.

20. (Amended) System as defined in claim 17, wherein the system comprises means for checking the state of a registered supervision block process performing a supervision task before an action request is sent to it.

21. (Amended) System as defined in claim 17, wherein the system comprises means for controlling the supervision center and/or the

supervision block processes performing supervision tasks via the user interface of the supervision center.

22. (Amended) System as defined in claim 17, wherein the system comprises means for receiving the registrations of supervision block processes performing supervision tasks via an interface.

23. (Amended) System as defined in claim 17, wherein the system comprises means for sending the result of the supervision block process performing a supervision task to the supervision center.

24. (Amended) System as defined in claim 17, wherein the system comprises means for storing the registrations of the supervision block processes in a supervision file in the supervision center.

25. (Amended) System as defined in claim 17, wherein the system comprises:

means for verifying the operation of the supervision block process performing a supervision task; and

means for issuing an alarm.

26. (Amended) System as defined in claim 17, wherein the system comprises means for analyzing the results associated with the processes performing supervision tasks.

27. (Amended) System as defined in claim 17, wherein the system comprises means for determining the address of the supervision center via a name service.

28. (Amended) System as defined in claim 17, wherein the system comprises one or more supervision centers in operation.

29. (Amended) System as defined in claim 17, wherein the system comprises means for discontinuing a supervision block process performing a supervision task and/or the maintenance of an object monitored by the process and for deleting the respective entry from the supervision file.

REMARKS

The above preliminary amendment is made to insert an abstract page into the application and to remove multiple dependencies from claims 3-16 and 19-29.

Applicants respectfully request that this preliminary amendment be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' attorney of record, Michael B. Lasky at 952.912.0527.

Respectfully submitted,

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Appendix A

Marked Up Version of Entire Claim Set

1. (Amended) Method for automatically configuring supervision and performing supervision in a supervision system comprising

a supervision center [(1)];

a supervision block [(2)] which contains processes performing supervision tasks,

said method comprising the steps of:

monitoring and/or controlling via the supervision center [(1)] the supervision block [(2)] processes performing supervision tasks,

[c h a r a c t e r i z e d in that] wherein the method comprises the following steps:

the processes performing supervision tasks in the supervision block [(2)] of the supervision system and/or the objects monitored by them are registered in the supervision center [(1)] automatically as the processes in the supervision block [(2)] become ready for operation; and

information about the processes in the supervision block [(2)] and/or about the services produced by them and/or about the objects monitored is saved in the supervision center [(1)] in conjunction with the registration.

2. (Amended) Method as defined in claim 1,

[c h a r a c t e r i z e d in that] wherein the supervision system is a telephone switching system.

3. (Amended) Method as defined in claim 1 [or 2],

[c h a r a c t e r i z e d in that] wherein a supervision block [(2)] process performing supervision tasks comprises a communication interface [(3)] through which operational commands are received from the supervision center [(1)].

4. (Amended) Method as defined in [any one of] claim [s] 1

[- 3], [c h a r a c t e r i z e d in that] wherein the state of a registered supervision block [(2)] process performing a supervision task is checked before an action request is sent to it.

5. (Amended) Method as defined in [any one of] claim [s] 1

[- 4], [c h a r a c t e r i z e d in that] wherein the supervision center [(1)] comprises a user interface [(4)] via which the supervision center [(1)] and/or the supervision block [(2)] processes performing supervision tasks are controlled.

6. (Amended) Method as defined in [any one of] claim [s] 1

[- 5], [c h a r a c t e r i z e d in that] wherein the supervision center [(1)] comprises an interface [(5)] for receiving the registration data

when supervision block [(2)] processes performing supervision tasks are registered in the supervision center [(1)].

7. (Amended) Method as defined in [any one of] claim [s] 1 [- 6], [c h a r a c t e r i z e d in that] wherein the result of the supervision block [(2)] process performing a supervision task is sent to the supervision center [(1)].

8. (Amended) Method as defined in [any one of] claim [s] 1 [- 7], [c h a r a c t e r i z e d in that] wherein the registrations of the supervision block [(2)] processes are stored in a supervision file in the supervision center [(1)].

9. (Amended) Method as defined in [any one of] claim [s] 1 [- 8], [c h a r a c t e r i z e d in that] wherein the operation of the supervision block [(2)] process performing a supervision task is verified in conjunction with the registration and an alarm is issued if

the supervision block [(2)] process performing a supervision task does not produce a response to a test command.

10. (Amended) Method as defined in [any one of] claim [s] 1 [- 9], [c h a r a c t e r i z e d in that] wherein an alarm is issued if the response produced by the supervision block [(2)] process performing a supervision task is inaccurate;
and/or

no supervision block [(2)] processes performing supervision tasks are registered at all;
and/or

the number of test cases in the supervision file is lower after a restart of the system.

11. (Amended) Method as defined in [any one of] claim [s] 1 [- 10], [c h a r a c t e r i z e d in that] wherein the supervision block [(2)] process performing a supervision task determines the address of the supervision center [(1)] via a name service.

12. (Amended) Method as defined in [any one of] claim [s] 1 [- 11], [c h a r a c t e r i z e d in that] wherein the supervision file contains the address and/or identifier and/or test parameters and/or initial values of test parameters of the supervision block [(2)] process performing a supervision task and/or other information.

13. (Amended) Method as defined in [any one of] claim [s] 1 [- 12], [c h a r a c t e r i z e d in that] wherein a registering supervision block [(2)] process performing a supervision task contains one or more objects of monitoring.

14. (Amended) Method as defined in [any one of] claim [s] 1 [- 13], [c h a r a c t e r i z e d in that] wherein a supervision block [(2)] process performing a supervision task that impairs the normal

operation of the telephone switching center shall not register in the supervision center [(1)].

15. (Amended) Method as defined in [any one of] claim [s] 1 [- 14], [c h a r a c t e r i z e d in that] wherein the supervision system comprises one or more supervision centers [(1)] in operation.

16. (Amended) Method as defined in [any one of] claim [s] 1 [- 15], [c h a r a c t e r i z e d in that] wherein the supervision block [(2)] process performing a supervision task and/or the maintenance of the monitoring object of the process are/is discontinued and the respective entry is deleted from the supervision file.

17. (Amended) System for automatically configuring supervision and performing supervision in a supervision system comprising

a supervision center [(1)];

a supervision block [(2)] which contains processes performing supervision tasks,

which method comprises the steps of:

monitoring and/or controlling via the supervision center [(1)] the supervision block [(2)] processes performing supervision tasks,

[c h a r a c t e r i z e d in that] wherein the system comprises:

means [(6)] for automatically registering in the supervision center [(1)] the objects monitored by the supervision block [(2)] processes performing tasks of supervision of the operation of the supervision system; and

means [(7)] for saving information relating to the processes performing supervision tasks and/or to the services produced by them in the supervision center [(1)] in conjunction with registration.

18. (Amended) System as defined in claim 17, [c h a r a c t e r i z e d in that] wherein the supervision system is a telephone switching system.

19. (Amended) System as defined in claim 17 [or 18], [c h a r a c t e r i z e d in that] wherein the system comprises means [(8)] for receiving operational commands via the communication interface [(3)] of the supervision block [(2)] process performing supervision tasks.

20. (Amended) System as defined in [any one of] claim [s] 17 [- 19], [c h a r a c t e r i z e d in that] wherein the system comprises means [(9)] for checking the state of a registered supervision block [(2)] process performing a supervision task before an action request is sent to it.

21. (Amended) System as defined in [any one of] claim [s] 17 [- 20], [c h a r a c t e r i z e d in that] wherein the system comprises means [(10)] for controlling the supervision center [(1)] and/or the supervision block [(2)] processes performing supervision tasks via the user interface [(4)] of the supervision center [(1)].

22. (Amended) System as defined in [any one of] claim [s] 17 [- 21], [c h a r a c t e r i z e d in that] wherein the system comprises means [(11)] for receiving the registrations of supervision block [(2)] processes performing supervision tasks via an interface [(5)].

23. (Amended) System as defined in [any one of] claim [s] 17 [- 22], [c h a r a c t e r i z e d in that] wherein the system comprises means [(12)] for sending the result of the supervision block [(2)] process performing a supervision task to the supervision center [(1)].

24. (Amended) System as defined in [any one of] claim [s] 17 [- 23], [c h a r a c t e r i z e d in that] wherein the system comprises means [(13)] for storing the registrations of the supervision block [(2)] processes in a supervision file in the supervision center [(1)].

25. (Amended) System as defined in [any one of] claim [s] 17 [- 24], [c h a r a c t e r i z e d in that] wherein the system comprises:

means [(14)] for verifying the operation of the supervision block
 [(2)] process performing a supervision task; and
 means [(15)] for issuing an alarm.

26. (Amended) System as defined in [any one of] claim [s] 17
 [- 25], [c h a r a c t e r i z e d in that] wherein the system comprises
 means [(16)] for analyzing the results associated with the processes
 performing supervision tasks.

27. (Amended) System as defined in [any one of] claim [s] 17
 [- 26], [c h a r a c t e r i z e d in that] wherein the system comprises
 means [(17)] for determining the address of the supervision center [(1)]
 via a name service.

28. (Amended) System as defined in [any one of] claim [s] 17
 [- 27], [characterized in that] wherein the system comprises one or more
 supervision centers [(1)] in operation.

29. (Amended) System as defined in [any one of] claim [s] 17
 [- 28], [c h a r a c t e r i z e d in that] wherein the system comprises
 means [(18)] for discontinuing a supervision block [(2)] process performing a
 supervision task and/or the maintenance of an object monitored by the
 process and for deleting the respective entry from the supervision file.